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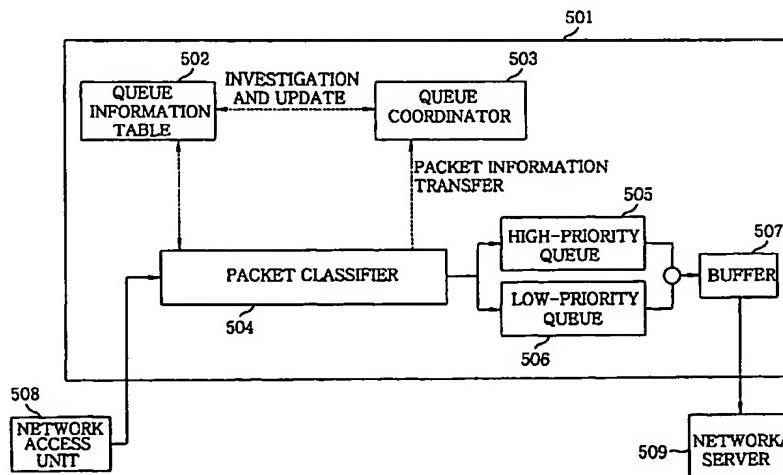
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- (71) Applicant (*for all designated States except US*): ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE [KR/KR]; 161 Gajeong-dong, Yuseong-gu, Daejeon 305-350 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): AHN, Gaeil [KR/KR]; Euna Apt. 102-106, Gasuwon-dong, Seo-gu, Daejeon 302-751 (KR). KIM, Ki-Young [KR/KR]; Hanvit Apt. 122-601, Eoeun-dong, Yuseong-gu, Daejeon 305-755 (KR). JANG, Jong-Soo [KR/KR]; Expo Apt. 303-903, Jeonmin-dong, Yuseong-gu, Daejeon 305-761 (KR).
- (74) Agent: JANG, Seong-Ku; 17th Fl., KEC Building, 275-7, Yangjae-dong, Seocho-ku, Seoul 137-130 (KR).
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- (54) Title: METHOD AND APPARATUS FOR PROTECTING LEGITIMATE TRAFFIC FROM DOS AND DDOS ATTACKS



- (57) **Abstract:** An apparatus for protecting legitimate traffic from DoS and DDoS attacks has a high-priority (505) and a low-priority (506) queue. Besides, a queue information table (502) has STT (Source-based Traffic Trunk) service queue information of a specific packet. A queue coordinator (503) updates the queue information table (502) based on a load of a provided STT and a load of the high-priority queue (505). A packet classifier (504) receives a packet from the network access unit (508), investigates an STT service queue of the packet from the queue information table (502), selectively transfers the packet to the high-priority (505) or the low-priority (506) queue and provides information on the packet to the queue coordinator (503). A buffer (507) buffers outputs of the high-priority (505) and the low-priority (506) queue and provides outputs to the network (509) to be protected.

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